

Meredith Rosenthal, Ph.D. CONFIDENTIAL
Cambridge, MA

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<p style="text-align: right;">389</p> <p>1 exactly the kind of behavior that has been alleged 2 to be fraudulent.</p> <p>3 Q. Are you familiar with the economic 4 literature on list prices?</p> <p>5 A. I am not sure what literature you're 6 talking about here, but this is a context in which 7 there is third-party payer paying the list price, 8 and the physician is paying a discounted price.</p> <p>9 So I am not sure if the literature 10 you're talking about is relevant.</p> <p>11 Q. Did you know that BMS does not report ASPs 12 to the publications?</p> <p>13 MR. MACORETTA: Objection.</p> <p>14 A. I have understood that some of the 15 manufacturers report WACs or -- I know they use a 16 different term for it, but what we have discussed 17 before I would call a WAC.</p> <p>18 Q. IMS reports a list price --</p> <p>19 A. Okay. Yes. The list price.</p> <p>20 Q. What is the purpose of a list price?</p> <p>21 Do you have an understanding of what 22 the purpose of a list price is?</p>	<p style="text-align: right;">391</p> <p>1 A. I would judge that the term "list price" 2 would suggest that it does not reflect discounts.</p> <p>3 Q. And are there economic justifications, in 4 your view, for keeping discounts confidential?</p> <p>5 A. There are economic theories with regard to 6 the benefits of price discrimination.</p> <p>7 These are theories that -- for which 8 -- it's not conclusive what the result is. There 9 can be cases in which keeping discounts secret has 10 economic benefits.</p> <p>11 Q. Do you disagree with Dr. Burnt's statement 12 -- and I think he may have been quoting somebody 13 else -- that the best discount is the secret 14 discount?</p> <p>15 A. I think it's Figlot's, but I am not a 16 hundred percent sure.</p> <p>17 Do I disagree with him? There are 18 cases in which secret discounts can yield positive 19 effects for the economy as a whole, and I believe 20 he cites that literature.</p> <p>21 Q. Well, assuming, as the information that 22 you have in front of you suggests, that BMS</p>
<p style="text-align: right;">390</p> <p>1 A. My understanding is that one of the 2 purposes of that list price, that BMS was aware 3 of, is that the third-party payers need some 4 benchmark for reimbursement.</p> <p>5 Q. I am not asking you about this particular 6 situation.</p> <p>7 Do you have -- do you as an economist 8 have an understanding of the purpose of a list 9 price generally?</p> <p>10 A. List prices may have many different roles 11 in other markets.</p> <p>12 It may -- as we discussed yesterday, 13 there may be simple economics of price 14 discrimination, and a list price is potentially 15 the price for the least elastic buyer.</p> <p>16 Q. List prices are very, very common 17 throughout the American economy, correct?</p> <p>18 A. That is correct, but the situation is very 19 different in most segments of the economy, where 20 there is not third-party reimbursement.</p> <p>21 Q. Is it correct that list prices typically 22 do not reflect discounts?</p>	<p style="text-align: right;">392</p> <p>1 reported a list price to the industry 2 publications, and BMS had significant sales at or 3 about list price, as Dr. Hartman's calculation of 4 the ASPs for Etopophos would suggest, is there 5 anything that BMS should have done differently in 6 this situation?</p> <p>7 A. I'm afraid I don't have an opinion as to 8 what BMS should have done differently.</p> <p>9 My opinion is that there are economic 10 incentives to raise these WPs relative to the 11 discounted price offered to providers and that's 12 not about price discrimination. That's about the 13 fact that the list price is paid by a separate 14 party reimbursing the intermediate purchasers.</p> <p>15 Do I have an opinion about what they 16 should have done? The allegations here suggest 17 that something was done in a legal sense 18 fraudulently, but I don't have an opinion about 19 what they should have done.</p> <p>20 Q. Well, if BMS had retained you to advise it 21 and said to you, "Look, you know, we want to do 22 the right thing. We want to be a good corporate</p>

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<p style="text-align: right;">393</p> <p>1 citizen. We are coming out with this new 2 product. We have to come up with a list price."</p> <p>3 Would you have told it to do anything 4 differently from what it did here?</p> <p>5 A. I am not sure if I can answer that 6 question. I just don't understand what you are 7 getting at.</p> <p>8 Q. Well, based on the information that you 9 have in front of you, are you in a position to 10 opine that BMS intended to deceive any class 11 members in the way it priced Etopophos?</p> <p>12 A. My opinions here are that the 13 reimbursement system set up incentive for BMS to 14 do so; and in looking at the spreads, there is -- 15 it clearly was done, and also looking at 16 defendant's own characterization of the market 17 incentives, it suggests to me -- I conclude that 18 there was a competitive strategy here to inflate 19 the AWPs.</p> <p>20 If I were advising BMS, it would be 21 sort of ethically -- the appropriate strategy 22 would be to report the AWP that represented the</p>	<p style="text-align: right;">395</p> <p>1 Etopophos?</p> <p>2 A. I do not know that.</p> <p>3 Q. Would it surprise you to know that 4 Etopophos was most of the spectacularly 5 unsuccessful products in BMS's history?</p> <p>6 MR. MACORETTA: Objection.</p> <p>7 A. It wouldn't surprise me, because I did not 8 have an expectation about it.</p> <p>9 Q. Are you saying that you think there is 10 some obligation or economic imperative that 11 requires sellers to adjust their list prices in 12 order to reflect the extent to which they are 13 discounting?</p> <p>14 A. The theory here is that there was a 15 strategic action by the manufacturer that resulted 16 in the third-party payers paying a greater amount 17 than they would have had they reported an AWP that 18 was consistent with the ASP, the discounted price.</p> <p>19 I'm not altogether comfortable with 20 the way you've couched this in sort of right or 21 wrong.</p> <p>22 I am talking about a set of economic</p>
<p style="text-align: right;">394</p> <p>1 transactions.</p> <p>2 Q. We are not talking about AWPs. We are 3 talking about wholesale list price.</p> <p>4 A. I'm sorry.</p> <p>5 Q. BMS came up with a wholesale list price--</p> <p>6 A. Wholesale list price --</p> <p>7 Q. -- and are you suggesting that coming up 8 with a wholesale list price of \$99.31 and then 9 offering introductory discounts below that list 10 price of less than 10 percent is somehow 11 economically undesirable behavior?</p> <p>12 A. I don't distinguish the scenario you are 13 talking about from the broader notion of reporting 14 AWPs consistent with what is actually paid by the 15 physicians, and so I would say that that behavior, 16 which was about gaining market share at the 17 expense of the third-party payers, still conforms 18 with the general theory here.</p> <p>19 Q. Do you know whether BMS gained any market 20 share as a result of the way it priced Etopophos?</p> <p>21 A. I have not estimated that, no.</p> <p>22 Q. Do you know whether BMS made any money on</p>	<p style="text-align: right;">396</p> <p>1 incentives, economic behavior. I have assumed the 2 allegations, the legal allegations of fraud here 3 as part of my report.</p> <p>4 Q. Are you aware of any industry in which 5 sellers change their list prices to reflect 6 discounts?</p> <p>7 A. Again, there are no other industries that 8 I can point to for which I'm aware of any such 9 list prices where there's third-party 10 reimbursement that is tagged off of that list 11 price.</p> <p>12 Q. Are you aware of any economic literature 13 which suggests that sellers should change their 14 list prices to reflect discounts?</p> <p>15 A. This term "should," again, I guess doesn't 16 have any particular economic meaning for me.</p> <p>17 "Should" in an economic sense would be 18 profit-maximizing, but that's not necessarily -- a 19 firm can be profit-maximizing inside or outside of 20 the law.</p> <p>21 Q. Are you aware of any economic literature 22 which establishes a yardstick for maximum</p>

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<p>1 discounts such as Dr. Hartman's 30 percent?</p> <p>2 A. I am not sure if I would interpret</p> <p>3 Dr. Hartman's yardstick as the maximum discount.</p> <p>4 Q. Well, if the judge were to issue an order</p> <p>5 adopting Dr. Hartman's yardstick, all spreads of</p> <p>6 30 percent or less are okay, all spreads of</p> <p>7 greater than 30 percent are not okay, what do you</p> <p>8 think would happen from an economic standpoint?</p> <p>9 MR. MACORETTA: Objection.</p> <p>10 Go ahead.</p> <p>11 A. I see your implication that should the law</p> <p>12 find that this is the line, that list prices would</p> <p>13 need to stay within 30 percent, so then by</p> <p>14 definition of the discount as the difference</p> <p>15 between the list price and what the providers pay.</p> <p>16 Again, this is a somewhat unique</p> <p>17 market, and we are not talking about used cars</p> <p>18 here, where the third-party payer is paying the</p> <p>19 list price.</p> <p>20 Q. What do you think would happen if the</p> <p>21 judge entered an order saying discounts 30</p> <p>22 percent or below are okay, discounts above 30</p>	<p>1 tutorial --</p> <p>2 A. Yes.</p> <p>3 Q. -- which is Exhibit Rosenthal 003.</p> <p>4 A. Thank you. I have it. Thank you.</p> <p>5 Q. Page 8.</p> <p>6 A. Okay.</p> <p>7 Q. First paragraph, second sentence, you say,</p> <p>8 "Thus, a manufacturer's rational economic</p> <p>9 response in this setting is to set transaction</p> <p>10 prices to be profit-maximizing and set AWP as</p> <p>11 high as possible to increase physician profits</p> <p>12 and thereby the demand for their drug."</p> <p>13 A. Yes.</p> <p>14 Q. If there were this 30 percent ceiling</p> <p>15 imposed by law, what do you think the</p> <p>16 manufacturers' natural economic response to that</p> <p>17 would be?</p> <p>18 MR. MACORETTA: Again, objection.</p> <p>19 Incredibly hypothetical, but go ahead.</p> <p>20 A. I think what could happen -- it's a little</p> <p>21 unclear, but given that there are discounts below</p> <p>22 30 percent now, in many cases, many drugs are 20</p>
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<p>1 percent are not okay?</p> <p>2 MR. MACORETTA: Objection.</p> <p>3 Q. What do you think would happen from an</p> <p>4 economic standpoint?</p> <p>5 A. I --</p> <p>6 Q. How would the marketplace react to that?</p> <p>7 A. I would guess that discounts relative to</p> <p>8 the list price would not exceed 30 percent.</p> <p>9 Q. And do you think that as a result of</p> <p>10 competitive forces in the marketplace what would</p> <p>11 basically happen is manufacturers would create a</p> <p>12 situation where the difference between AWP and</p> <p>13 ASP in most situations was 30 percent?</p> <p>14 MR. MACORETTA: Objection.</p> <p>15 You can answer.</p> <p>16 A. It's not altogether clear what would</p> <p>17 happen.</p> <p>18 In terms of the relative discounts, I</p> <p>19 am not sure why you think they would all go to 30</p> <p>20 percent, unless 30 percent had been an absolute</p> <p>21 floor before.</p> <p>22 Q. Let me ask you to take a look at your</p>	<p>1 percent discounted below the average wholesale</p> <p>2 price, if you will allow me to use that as a</p> <p>3 benchmark, there would still be drugs that are in</p> <p>4 that range.</p> <p>5 I would assume if there were severe</p> <p>6 legal penalties, as it seems you are suggesting in</p> <p>7 your scenario, that manufacturers would not</p> <p>8 discount any more than 30 percent below.</p> <p>9 Now, of course, the entire AWP might</p> <p>10 shift as well.</p> <p>11 Q. Well, let's say we have two products. I'm</p> <p>12 sorry. Strike that.</p> <p>13 Let's say we have two manufacturers</p> <p>14 offering competing products --</p> <p>15 A. Yes.</p> <p>16 Q. -- and let's say that the ASP for both of</p> <p>17 these products is a hundred dollars --</p> <p>18 A. Okay.</p> <p>19 Q. -- and let's say that manufacturer one in</p> <p>20 order to gain a competitive advantage over</p> <p>21 manufacturer two creates a spread of 10 percent.</p> <p>22 A. Okay.</p>

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<p>1 Q. What do you think manufacturer two is 2 going to do? 3 A. I'm sorry, in what scenario? 4 Q. In response to the competitive advantage 5 that manufacturer one has just achieved by 6 creating a spread of 10 percent. 7 A. So then -- 8 MR. MACORETTA: Objection. 9 Go ahead. 10 A. -- the notion of competition here is tit 11 for tat. So one increases the spread. The other 12 increases the spread. 13 Q. Okay. And if you had a 30 percent 14 ceiling, you would expect them both to 15 eventually, as a result of competitive forces, to 16 increase their spreads to 30 percent, correct? 17 A. Right. 18 Q. And then once you get to that point, is 19 there any way that they can compete against one 20 another? 21 A. So, again, assuming that it was in -- in 22 the imaginary-litigation world, assuming that it</p>	<p>1 A. It would depend on the particular scenario 2 that you are talking about in terms of the 3 dollars. 4 Q. Have you considered whether Dr. Hartman's 5 yardstick theory, if implemented in real world, 6 would result in higher prices? 7 A. No, I have not. 8 Q. In the example I just gave you, 9 Dr. Hartman's yardstick theory could very well 10 result in higher prices, correct? 11 A. You could generate an example that would 12 do that. 13 Q. And that would not be economically 14 beneficial to consumers? 15 A. Presumably not. 16 Q. What do you mean by the phrase "rational 17 economic response" on Page 8 of your tutorial, 18 which is Exhibit Rosenthal 003? 19 A. Profit-maximizing, taking account of the 20 available information that they have in the sets 21 of reimbursement mechanisms in place. 22 Q. In other words, given the way the system</p>
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<p>1 was optimal to set their spreads at 30 percent in 2 the first place, all these things involve marginal 3 tradeoffs. 4 Then this imaginary litigation that 5 stopped the world at 30 percent would be a ceiling 6 for those manufacturers who didn't find it better 7 to stop before then, and obviously many 8 manufacturers have not inflated their drugs. 9 So that would limit the AWP inflation 10 relative to that ASP at 30 percent, and therefore, 11 the AWPs would not rise any more relative to that. 12 Q. Once they got that 30 percent ceiling -- 13 A. Yes. 14 Q. -- if they wanted to compete by making 15 their offering more attractive to the provider, 16 how would they do it? 17 A. Excuse me. They would reduce both their 18 ASP and AWP. 19 Q. Isn't it more likely what they would do 20 under that scenario is they would raise their ASP 21 because 30 percent of a larger number would mean 22 more money for the provider?</p>	<p>1 has been set up, this is the way that you would 2 expect any rational economic actor to behave? 3 A. From a purely economic perspective, yes. 4 Q. Even if there were no intent to deceive, 5 this is what you would expect to happen for 6 competitive reasons, correct? 7 MR. MACORETTA: Objection. 8 Go ahead. You can answer. 9 A. Again, you've put a legal spin on an 10 economic notion that -- profit-maximization 11 doesn't really interact with that notion of intent 12 to deceive, which seems to be a legal notion. 13 So that profit-maximizing idea is 14 really purely an economic one. 15 Q. As I understand your theory, you are 16 saying that the incentives and the conduct that 17 you have observed are the result of a rational 18 economic response to the system in which the 19 manufacturers operate, correct? 20 A. That they are the result of the incentives 21 of the reimbursement system, but again, profit- 22 maximization, it's not a legal notion, and it</p>

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<p style="text-align: right;">405</p> <p>1 sounds like you are using it to justify a legal 2 term, and I am not prepared to -- I am not 3 qualified to make a legal opinion.</p> <p>4 Q. Is it fair to say that the economic 5 behavior you observe is as consistent with 6 competition as it is with fraud?</p> <p>7 A. A kind of competition --</p> <p>8 MR. MACORETTA: Objection.</p> <p>9 A. It's a kind of competition, competing for 10 provider decision-making, essentially.</p> <p>11 Q. Given the model that you have created for 12 analyzing rational economic behavior, how would 13 you explain BMS's conduct with respect to 14 Etopophos?</p> <p>15 A. I am not sure what you are talking about.</p> <p>16 There is a spread in the case of 17 Etopophos in 1996.</p> <p>18 Q. What you say -- what you say in your 19 report is rational economic behavior in this 20 context would result in some form of AWP 21 inflation, and you use Exhibit Rosenthal 015, the 22 launch plan for Etopophos as an example for that, and</p>	<p style="text-align: right;">407</p> <p>1 And so for these drugs that -- for which Dr. 2 Hartman has produced the calculations that you've 3 seen, there were indeed spreads. So 4 that's again consistent with my theory.</p> <p>5 Now, looking at the specific spread that you 6 were looking for isn't there, but that just means 7 that tradeoffs may have been in a different direction.</p> <p>8 MR. STEVENS: Okay. I am not going 9 to ask you any further questions at this time.</p> <p>10 THE WITNESS: Thank you.</p> <p>11 CROSS-EXAMINATION</p> <p>12 BY MR. DOVE:</p> <p>13 Q. Good afternoon, Dr. Rosenthal.</p> <p>14 A. Good afternoon.</p> <p>15 Q. My name is Ron Dove, and I am a lawyer for 16 GlaxoSmithKline.</p> <p>17 A. Hi, Ron.</p> <p>18 Q. I would like to direct your attention to 19 Page 18, Paragraph 38 of your report --</p> <p>20 A. Okay.</p> <p>21 Q. -- and specifically to the graph for 22 Zofran.</p>
<p style="text-align: right;">406</p> <p>1 you point to a page in which two strategies are 2 proposed: One strategy, a reduction of Vepesid's 3 AWP; the second strategy, a premium list price 4 for Etopophos, and neither of those things 5 happened.</p> <p>6 How do you explain that?</p> <p>7 A. I point to this document as a recognition 8 of the incentives.</p> <p>9 In no way does the theory say at all 10 times it will be the best strategy for every 11 manufacturer to raise the AWP.</p> <p>12 There is evidence of a spread between 13 the AWP and the ASP.</p> <p>14 Q. So what you are saying is your theory does 15 not depend on what actually happened in the 16 marketplace?</p> <p>17 A. No. That's not what I am saying.</p> <p>18 What actually happened in the marketplace -- you 19 are sort of making an implication about a relative 20 spread, saying that if what happened didn't consist 21 of exactly what was in that memo, then there was no 22 spread, but there was spread.</p>	<p style="text-align: right;">408</p> <p>1 Do you see that?</p> <p>2 A. I do.</p> <p>3 Q. Would you agree that the top line of -- 4 the top line of that graph shows that the change 5 in AWP for Zofran over time from 1991 to 2003; is 6 that right?</p> <p>7 A. Yes, I believe it does.</p> <p>8 Q. Now, have you studied the Zofran price 9 increase that is reflected in this graph to see 10 how it compares with the rate of inflation during 11 that same time period?</p> <p>12 A. No. I have not.</p> <p>13 Q. Would it surprise you if I told you that 14 in every year during that class period, the 15 actual AWP for Zofran was lower than would have 16 been the case if Zofran's AWP changed -- matched 17 inflation?</p> <p>18 A. As I mentioned before, if you were going 19 to make that kind of deflation, you would need to 20 make with regard to the ASP as well as, and it 21 would have comparable effects; and to the 22 difference between them, it would continue to</p>

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<p style="text-align: right;">409</p> <p>1 diverge.</p> <p>2 Q. I guess -- I don't really want to ask 3 about the discount line. I don't want to ask 4 about spread.</p> <p>5 I want to focus only on the AWP 6 increase --</p> <p>7 A. Okay.</p> <p>8 Q. -- line, and my question is pretty simple 9 one.</p> <p>10 Would it surprise you if I told you in 11 every year during the class period the actual AWP 12 for Zofran was lower than it would have been the 13 case if Zofran's AWP change had matched 14 inflation?</p> <p>15 A. I guess it would not particularly surprise 16 me.</p> <p>17 I mean, I am certainly aware of what 18 the rate of inflation is roughly over this period.</p> <p>19 Q. So that would not surprise you?</p> <p>20 A. No. It wouldn't surprise me.</p> <p>21 Q. Have you studied the AWP increase for any 22 drugs in this litigation to see how those</p>	<p style="text-align: right;">411</p> <p>1 Mr. Cavanaugh asked you early on in 2 your deposition whether or not you had talked to 3 any health and welfare plans, and I believe you 4 said you talked to the Taft Hartley Plan.</p> <p>5 Do you remember that?</p> <p>6 A. That's correct.</p> <p>7 Q. Do you remember what the name of the Taft 8 Hartley plan was?</p> <p>9 A. It was an Illinois area Taft Hartley Plan.</p> <p>10 I am afraid I don't remember actually.</p> <p>11 Q. Okay. And then there was a discussion 12 about whether or not you talked to a Blue Cross 13 Plan that provided some services for that Taft 14 Hartley Plan.</p> <p>15 Do you remember that?</p> <p>16 A. That's right.</p> <p>17 Q. Okay. Did you talk -- did you attempt to 18 talk to anyone at that Blue Cross Plan?</p> <p>19 A. At the end of the call, I mentioned that 20 it would be useful to talk to the Blue Cross Plan 21 that was the third-party administrator for the 22 Taft Hartley Plan, and that would have been Blue</p>
<p style="text-align: right;">410</p> <p>1 increases compare with the rate of inflation 2 during this time period?</p> <p>3 A. I did not think that to be relevant. So, 4 no, I have not.</p> <p>5 MR. DOVE: I have no further 6 questions at this time.</p> <p>7 MR. MACORETTA: We will take a break.</p> <p>8 MR. CAVANAUGH: We have one more.</p> <p>9 MR. MACORETTA: Let's go off the 10 record.</p> <p>11 THE VIDEOGRAPHER: The time is 2:51. 12 We are off the record.</p> <p>13 (A discussion was held off the record.)</p> <p>14 THE VIDEOGRAPHER: Stand by. The 15 time is 2:52. We are back on the record.</p> <p>16 CROSS-EXAMINATION</p> <p>17 BY MR. MACORETTA:</p> <p>18 Q. Dr. Rosenthal, I want to talk to you for a 19 second about some testimony you gave yesterday, 20 and for counsels' benefit, I am going to look at 21 Pages 15 and 16 of the rough draft of yesterday's 22 deposition.</p>	<p style="text-align: right;">412</p> <p>1 Cross/Blue Shield of Illinois, I believe.</p> <p>2 Q. Okay. The transcript is unclear.</p> <p>3 Mr. Cavanaugh says on page, "Do you 4 understand that one of the class representatives 5 in this case is a Blue Cross?" And you answer, 6 "I do."</p> <p>7 That's still true, right?</p> <p>8 A. That's still true.</p> <p>9 Q. Then Mr. Cavanaugh says, "Did you make an 10 effort to contact that Blue Cross organization?"</p> <p>11 And your the answer in the transcript 12 -- your answer is "we."</p> <p>13 So what is your answer to that 14 question? Did you make an effort to contact a 15 Blue Cross that is class representative in this 16 case?</p> <p>17 A. So I asked on this call with the Taft 18 Hartley Plan, I asked if we would be able to get 19 in touch with them, and I don't know what happened 20 with the follow-up.</p> <p>21 Q. What Blue Cross do you understand to be a 22 class representative in this case?</p>

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1 A. I believe, in this case, it is Blue
2 Cross/Blue Shield of Massachusetts.
3 Q. Did you ever make any effort to talk to
4 them about anything?
5 A. No, I did not.
6 MR. MACORETTA: There we go.
7 That's all the questions I have.
8 Mr. Cavanaugh may have some follow-up.
9 REDIRECT EXAMINATION
10 BY MR. CAVANAUGH:
11 Q. Would I be correct that, then, Doctor,
12 that you have had no communications and sought no
13 information from any class representative in this
14 case?
15 A. I haven't.
16 MR. MACORETTA: I just said we talked
17 to Taft Hartley Plan, that used to be a class
18 representative.
19 Q. Any of the current class representatives?
20 A. I believe that must be my confusion. They
21 would not be currently.
22 MR. MACORETTA: Now we are going off

1 COMMONWEALTH OF MASSACHUSETTS)
2 SUFFOLK, SS)
3
4 I, Deborah L. Roth, and Notary Public in and for
5 the Commonwealth of Massachusetts, do hereby
6 certify that there came before me on February
7 23, 2006, the person hereinbefore named, who was
8 by me duly sworn to the truth concerning any
9 knowledge in this cause; that that person was
10 thereupon examined under oath, and the
11 examination reduced to typewriting; and that the
12 deposition is a true record of the testimony
13 given by the witness.
14 I further certify that I am neither related to
15 nor employed by any attorney or counsel employed
16 by the parties hereto or financially interested
17 in the action.
18 In witness whereof, I have hereunto set my hand
19 this 23th day of February 2006.
20
21 DEBORAH ROTH, Notary Public
22 My commission expires: 2/7/08

- 1 the record.
- 2 THE VIDEOGRAPHER: The time is 2:55.
- 3 We are off the record.
- 4 (The deposition was adjourned at 2:55 p.m.)

15
16

17 NOTARY PUBLIC
18
19
20
21

22 My Commission expire:

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